

360 NOLCRECHTFTTRNPTLGAQSMRAAYRYVAYVAHGLHOLLGCTSEICSRGPVYPMQ 419
361 NOLCRECHTQAFMAHTPKAFNSSSAYNAYRAYVAYVAHGLHOLLGCTSEICSRGPVYPMQ 420
420 LQOQYKVNFLHENTVAFDDNDGDTLGGYDIIAOWMNGPEWTFEIIIGSASLSPVHLNDIK 479
421 LLEQIHKVHFLHKTQVAFNDNRDPLSSNYIIAOWMNGPKWTFVLGSSTWSPVOLNINE 480
480 TKIQWGHKQNVPSVCTTDCLAGHRVVGSHHCCFECVPCBAGTFPLNSELHICQPCG 539
481 TKIQWGHKQNVPSVCTTDCLAGHRVVGSHHCCFECVPCBAGTFPLNSELHICQPCG 540
540 TSEWPKSTTCFPRVTFELAWHEPISLVIAANTLILLVGTAGLFAWHHTPVVRS 599
541 KEWAPGEGTQCFPRVTFELAWHEPISLVIAANTLILLVGTAGLFAWHHTPVVRS 600
600 GGRCLFMLGSLVAGSCFSPFGEPTVPACLLRQPLFSLGFAIFLSCLTIRSFQAVIIF 659
601 GGRCLFMLGSLVAGSCFSPFGEPTVPACLLRQPLFSLGFAIFLSCLTIRSFQAVIIF 660
660 KFTSKVPTPYRTWAQNHGAGLFVIVSSTVHLLICLTWLVNMTPTPTREYQRPFLVILBC 719
661 KFTSKVPTPYRTWAQNHGAGLFVIVSSTVHLLICLTWLVNMTPTPTREYQRPFLVILBC 720
720 TEVNSVGLLAFTHNLLISTFVCSYLGKELPENYNEAKCVTFSLNLFVSWIAFFTMA 779
721 TEVNSVGLLAFTHNLLISTFVCSYLGKELPENYNEAKCVTFSLNLFVSWIAFFTMA 780
780 SIYQSLPAPVNVLAGLTLGGFGSGYFLPKCVILCRPELNNTEHFQASIQDYTRRCGT 839
781 SYVDGKYLPAANWAGLSLSSGFGYFLPKCVILCRPELNNTEHFQASIQDYTRRCGT 840
840 T 840
841 T 841

RESULT 2
US-09-897-427A-4
; Sequence 4, Application US/09897427A
; Patent No. 6955887
; GENERAL INFORMATION:
; APPLICANT: ADLER, JON ELLIOT
; APPLICANT: LI, XIAOQING
; APPLICANT: STAZEWSKI, LENA
; APPLICANT: XU, HONG
; APPLICANT: EHEVERRI, FERNANDO
; TITLE OF INVENTION: T1R HETERO-OLIGOMERIC TASTE RECEPTORS
; FILE REFERENCE: 078003-0282558
; CURRENT APPLICATION NUMBER: US/09/897,427A
; CURRENT FILING DATE: 2001-07-03
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 839
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-897-427A-4

Query Match 32.5%; Score 1456.5; DB 2; Length 839;
Best Local Similarity 39.7%; Pred. No. 2.8e-129;
Matches 327; Conservative 123; Mismatches 344; Indels 29; Gaps 12;
31 FSLPGDPLAGLFLSHGDCLOVRHFL--VTSCDRPSDFNGHYHFLQAMRFTVEINNS 89
27 FYLPGLVLLGLFSLHANKGIVHLNPLQVPMC-KEYEVKVIYGLNLMQAMRFAVEINND 85
89 SALLPNITIGELYLYDVCSANVATLVLALQGPRIEIQDLRHSKVVAFICPDNT 148
86 SLLPGVLLGYETVDVYISNNQVPLFLAHE-DNLLPIQEDYSYISRVAVIGPDNS 144
149 DHAVTTAALGPFLMPLVSEASVVLAKRFPFLRTVPSDRHQVHVVQLQSGFW 208

145 ESMVTANFLSLFLPQITYSAISDELDRDKVRFPALLTFTPSADHVEAMVOLMLHFRWN 204
209 WISLIGSGDYQGLGVQALELAVPRGICVAFKDIIVPE-----SARVGDPRMQSMOHL 262
205 WIIIVSDDTGRNGQGLGERVARDDICIAFOETLPTLQPNQNMWTSERQRLVIVDKL 264
263 AQARTVVVVVSNRHLARVFRSIVLANLTGKVVVASEDMAISTVITSVTGIGIGTVLG 322
265 QOSTARVVVVVSPDLTLVHFNEVLNQFTGAVMIASESSALDPVLHNLTELHGLTFLG 324
323 VAVQORQVGLKBFESVYRAVTAAPSACPEGSWCTNOLCRECHTFTTRNMTPTGASFM 382
325 ITIQVPITPGSEFEWGPQAPPLSRSTQSYTC--NQECDNCLNATLSFNTILRLSGE 382
383 SNAIYVYANVAVAGHLHOLLGCTSEICSRGPVYPMQQLLQIYKVNELLHENTVAFDDNG 442
383 RVYSVYSAVAVAHALHSLGDCSTCTKRVVYPMQLEELKWNFILLDHOIFEDPOG 442
443 DTLGYDDIIAOWMNGPEWTFEIIIGSASLSPVHLDI-NKTKIQWGHKQNVPSVCTTDC 501
443 DVALHLEIVQWDRSONPFGSV--ASYPLQRLKNIQDISWHTVNTIPMSMCSKRCQ 500
502 AGHHRVVGSHHCCFECVPCBAGTFPLNMBE-LHIQPCGCTBEWAPKSTTCFPRVTFELA 560
501 SQQKKKPVGIHVCCPECIDCLPGTFLNHTEDYECCQACPNNEWSYQSETSCFKQLVLE 560
561 WHE--PISLVIAA---NTLILLVGTAGLFAWHHTPVVRSAGGRLCPLMLGSLVAG 614
561 WHEAPTIALLAALGFLSTLAILY-----IFWRHFQPIVRSAGGPMCLMLLTLVLA 614
615 SCFSYSPFGEPTVPACLLRQPLFSLGFAIFLSCLTIRSFQAVIIFKFTKVTFTYRTWAQ 674
615 YMVVYVYVGPVKVSTCLCRQALFPLCFTICISIAVRSFQIVCAFKMASRPPRAYSYWR 674
675 NHGAGLFVIVSSTVHLLICLTWLVNMTPTPTREYQRPFLVILCRPELNNTEHFQASIQDYTRR 733
675 YQGPVYVSMAPITVLKMWIVVIGMLATGLSPTRTDDPDKITIVSCNPNRNSLLENTSL 734
734 NILLISITFVCSYLGKELPENYNEAKCVTFSLNLFVSWIAFFTMAIYQGSYLPANVVL 793
735 DLLLSVGVGFSYPMGKELFTNYNEAKFTLSMTFTFTSVSLCTFMSAYSGVLVITVDLL 794
794 AGLTTLTSGFGSGYFLPKCVILCRPELNNTEHFQASIQDYTRR 836
795 VTVNLLAISLGYFGPKCYMILFYPERNTPAYFNSMIQGYTWR 837
RESULT 3
US-09-361-631-1
; Sequence 1, Application US/09361631
; Patent No. 6383778
; GENERAL INFORMATION:
; APPLICANT: Zuker, Charles S.
; APPLICANT: Adler, Jon Elliot
; APPLICANT: Lindemeyer, Juergen
; APPLICANT: The Regents of the University of California
; TITLE OF INVENTION: Nucleic Acids Encoding a G-Protein Coupled Receptor
; FILE REFERENCE: 02307E-0887200S
; CURRENT APPLICATION NUMBER: US/09/361,631
; EARLIER FILING DATE: 1999-07-27
; EARLIER FILING DATE: 1998-07-28
; EARLIER APPLICATION NUMBER: US 60/095,464
; EARLIER FILING DATE: 1998-07-28
; EARLIER APPLICATION NUMBER: US 60/112,747
; EARLIER FILING DATE: 1998-12-17
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 843
; TYPE: PRT
; ORGANISM: Rattus sp.
; FEATURE:
; OTHER INFORMATION: rat G-protein coupled receptor (GPCR) B4 amino

Db 241 KDIVPSARVGDPRMQSMQHLAQARTVVVFNHRLARVFRSVLVLANLTGKVVASE 300
QY 301 DWAIITYITSVTGIGIGITVLGVAQVQRPGLKEFEESYVRAVTAAPSACPEGWCSTN 360
Db 301 DWAIITYITSVTGIGIGITVLGVAQVQRPGLKEFEESYVRAVTAAPSACPEGWCSTN 360
QY 361 QLCRECHTFTTRNMPITLGAFAAARVVEAYVAHGLHQLLCTSEICSRGPVPMOL 420
Db 361 QLCRECHTFTTRNMPITLGAFAAARVVEAYVAHGLHQLLCTSEICSRGPVPMOL 420
QY 421 LQIYKVNFLHENTVAFDDNGDTLGYDIIAWDNMGPEWTFEIIIGSASLSPVHLIDINKT 480
Db 421 LQIYKVNFLHENTVAFDDNGDTLGYDIIAWDNMGPEWTFEIIIGSASLSPVHLIDINKT 480
QY 481 KIOWGKNNQVPSVCTTDLGAGHRVVGSHHCCPECVPCBAGTFLNMSLHIQPCGT 540
Db 481 KIOWGKNNQVPSVCTTDLGAGHRVVGSHHCCPECVPCBAGTFLNMSLHIQPCGT 540
QY 541 EEWAPKESTTCPRVTEFLAWHEPISLVIAANTLLLLVGTAGLFAWHFTPVVRSAG 600
Db 541 EEWAPKESTTCPRVTEFLAWHEPISLVIAANTLLLLVGTAGLFAWHFTPVVRSAG 600
QY 601 GRCLFMLGSLVAGSCSFYFGEPTVPACLLRQPLFSLGFAIFLSCLTIRSFQVLIIFK 660
Db 601 GRCLFMLGSLVAGSCSFYFGEPTVPACLLRQPLFSLGFAIFLSCLTIRSFQVLIIFK 660
QY 661 FSTKVPFTYRTWAQNHGAGLFIIVSSTVHLLICTLWLVMTTPRTPREYORFPHLVILECT 720
Db 661 FSTKVPFTYRTWAQNHGAGLFIIVSSTVHLLICTLWLVMTTPRTPREYORFPHLVILECT 720
QY 721 EVNSVGFLLAFTNILLSTFVCSYLGKELPENYNEAKCVTFSLNLFVSMIAFTMAS 780
Db 721 EVNSVGFLLAFTNILLSTFVCSYLGKELPENYNEAKCVTFSLNLFVSMIAFTMAS 780
QY 781 IYQGSYLPVAVNLVAGLTLLSGGSGYFLPKCYVILCRPELNTEHFQASIQDYTRCGTT 840
Db 781 IYQGSYLPVAVNLVAGLTLLSGGSGYFLPKCYVILCRPELNTEHFQASIQDYTRCGTT 840

RESULT 2

US-09-927-315-1
; Sequence 1, Application US/09927315
; Publication No. US20030040045A1
; GENERAL INFORMATION:
; APPLICANT: Zuker, Charles S.
; APPLICANT: Ryba, Nicholas J.P.
; APPLICANT: Nelson, Greg
; APPLICANT: Hoon, Mark A.
; APPLICANT: Chandrasekar, Jayaram
; APPLICANT: Zhang, Yifeng
; APPLICANT: The Regents of the University of California
; APPLICANT: The Government of the United States of America
; APPLICANT: as represented by the Secretary of the
; APPLICANT: Department of Health and Human Services
; TITLE OF INVENTION: Mammalian Sweet Taste Receptors
; FILE REFERENCE: 02307E-120110US
; CURRENT APPLICATION NUMBER: US/09/927,315
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: US 60/302,898
; PRIOR FILING DATE: 2001-07-03
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 840
; TYPE: PRT
; ORGANISM: Rattus sp.
; FEATURE:
; OTHER INFORMATION: rat Tlrl sweet taste receptor
US-09-927-315-1
Query Match 100.0%; Score 4485; DB 3; Length 840;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 840; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MFWAAHLLLSLQVYCWAFSPGSLPGDFLLAGLFLSLHGDCLQVHRPLVTS 60
Db 1 MFWAAHLLLSLQVYCWAFSPGSLPGDFLLAGLFLSLHGDCLQVHRPLVTS 60
QY 61 CDRPDSFNGHGHLFQAMRFTVEEINNSSALLPNITLGYELDYVCSSEANVYATLRLVAL 120
Db 61 CDRPDSFNGHGHLFQAMRFTVEEINNSSALLPNITLGYELDYVCSSEANVYATLRLVAL 120
QY 121 QGPHRIETKOLRNHSSKVAFIGPDNTHAVTTAALIGPFLMPLVSEASVLSAKRK 180
Db 121 QGPHRIETKOLRNHSSKVAFIGPDNTHAVTTAALIGPFLMPLVSEASVLSAKRK 180
QY 181 PPSFLRTVPSDRHVEVNVQLQSPGWVWISLIGSYGQYGLGVQALBELAVPRGICVAF 240
Db 181 PPSFLRTVPSDRHVEVNVQLQSPGWVWISLIGSYGQYGLGVQALBELAVPRGICVAF 240
QY 241 KDIVPSARVGDPRMQSMQHLAQARTVVVFNHRLARVFRSVLVLANLTGKVVASE 300
Db 241 KDIVPSARVGDPRMQSMQHLAQARTVVVFNHRLARVFRSVLVLANLTGKVVASE 300
QY 301 DWAIITYITSVTGIGIGITVLGVAQVQRPGLKEFEESYVRAVTAAPSACPEGWCSTN 360
Db 301 DWAIITYITSVTGIGIGITVLGVAQVQRPGLKEFEESYVRAVTAAPSACPEGWCSTN 360
QY 361 QLCRECHTFTTRNMPITLGAFAAARVVEAYVAHGLHQLLCTSEICSRGPVPMOL 420
Db 361 QLCRECHTFTTRNMPITLGAFAAARVVEAYVAHGLHQLLCTSEICSRGPVPMOL 420
QY 421 LQIYKVNFLHENTVAFDDNGDTLGYDIIAWDNMGPEWTFEIIIGSASLSPVHLIDINKT 480
Db 421 LQIYKVNFLHENTVAFDDNGDTLGYDIIAWDNMGPEWTFEIIIGSASLSPVHLIDINKT 480
QY 481 KIOWGKNNQVPSVCTTDLGAGHRVVGSHHCCPECVPCBAGTFLNMSLHIQPCGT 540
Db 481 KIOWGKNNQVPSVCTTDLGAGHRVVGSHHCCPECVPCBAGTFLNMSLHIQPCGT 540
QY 541 EEWAPKESTTCPRVTEFLAWHEPISLVIAANTLLLLVGTAGLFAWHFTPVVRSAG 600
Db 541 EEWAPKESTTCPRVTEFLAWHEPISLVIAANTLLLLVGTAGLFAWHFTPVVRSAG 600
QY 601 GRCLFMLGSLVAGSCSFYFGEPTVPACLLRQPLFSLGFAIFLSCLTIRSFQVLIIFK 660
Db 601 GRCLFMLGSLVAGSCSFYFGEPTVPACLLRQPLFSLGFAIFLSCLTIRSFQVLIIFK 660
QY 661 FSTKVPFTYRTWAQNHGAGLFIIVSSTVHLLICTLWLVMTTPRTPREYORFPHLVILECT 720
Db 661 FSTKVPFTYRTWAQNHGAGLFIIVSSTVHLLICTLWLVMTTPRTPREYORFPHLVILECT 720
QY 721 EVNSVGFLLAFTNILLSTFVCSYLGKELPENYNEAKCVTFSLNLFVSMIAFTMAS 780
Db 721 EVNSVGFLLAFTNILLSTFVCSYLGKELPENYNEAKCVTFSLNLFVSMIAFTMAS 780
QY 781 IYQGSYLPVAVNLVAGLTLLSGGSGYFLPKCYVILCRPELNTEHFQASIQDYTRCGTT 840
Db 781 IYQGSYLPVAVNLVAGLTLLSGGSGYFLPKCYVILCRPELNTEHFQASIQDYTRCGTT 840

RESULT 3

US-10-246-785-3
; Sequence 3, Application US/10246785
; Publication No. US20030148448A1
; GENERAL INFORMATION:
; APPLICANT: IRM, LLC
; APPLICANT: The Scripps Research Institute
; APPLICANT: Liao, Jiayu
; APPLICANT: Sheng, Ding
; APPLICANT: Schultz, Peter G
; TITLE OF INVENTION: Sweet Taste Receptors
; FILE REFERENCE: 36-002810US/PC
; CURRENT APPLICATION NUMBER: US/10/246,785
; CURRENT FILING DATE: 2002-12-09
; PRIOR APPLICATION NUMBER: US 60/323,450

Result No.	Query			DB	ID	Description
	Score	Match	Length			
1	4485	100.0	840	9	US-10-645-441-1	Sequence 1, Appl
2	4485	100.0	840	9	US-10-725-475-16	Sequence 16, Appl
3	4100	91.4	842	9	US-10-645-441-2	Sequence 2, Appl
4	3361.5	74.9	841	9	US-10-725-475-5	Sequence 5, Appl
5	3361.5	74.9	841	11	US-11-050-804-2	Sequence 2, Appl
6	3154.5	70.3	777	9	US-10-645-441-3	Sequence 3, Appl
7	1456.5	32.5	839	9	US-10-725-475-6	Sequence 6, Appl
8	1456.5	32.5	839	11	US-11-050-804-4	Sequence 4, Appl
9	1454	31.4	838	9	US-10-645-441-9	Sequence 9, Appl
10	1428	31.8	843	9	US-10-645-441-7	Sequence 7, Appl
11	1428	31.8	843	9	US-10-725-475-17	Sequence 17, Appl
12	1425	31.8	843	9	US-10-645-441-8	Sequence 8, Appl
13	1211.5	27.0	852	9	US-10-725-475-7	Sequence 7, Appl
14	1308.5	26.9	852	9	US-10-645-441-15	Sequence 15, Appl
15	1308.5	26.9	852	11	US-11-050-804-6	Sequence 6, Appl
16	1197	26.7	858	9	US-10-645-441-25	Sequence 25, Appl
17	1197	26.7	858	9	US-10-725-475-4	Sequence 4, Appl
18	1189.5	26.5	858	9	US-10-645-441-18	Sequence 18, Appl
19	1185.5	26.4	858	9	US-10-645-441-23	Sequence 23, Appl
20	1180.5	26.3	858	9	US-10-645-441-20	Sequence 20, Appl
21	1138	25.4	867	9	US-10-725-475-19	Sequence 19, Appl

QY 121 QGPRHIEIQKDLRNHSSKVAFIPGPDNDTHAVTTAALGPFPLMPLVSYEASSVLSAKRK 180
DB 121 QGPRHIEIQKDLRNHSSKVAFIPGPDNDTHAVTTAALGPFPLMPLVSYEASSVLSAKRK 180
QY 181 PFSFLRTVPSDRHQVEVMVQLQSGFWWISLIGSYGDIYGVQALBELAVPRGICVAF 240
DB 181 PFSFLRTVPSDRHQVEVMVQLQSGFWWISLIGSYGDIYGVQALBELAVPRGICVAF 240
QY 241 KDIVPFSARVGDPRMQSMQHLAQARTTVVVVFSNRHLARVFRSIVLANLTKGVWVASE 300
DB 241 KDIVPFSARVGDPRMQSMQHLAQARTTVVVVFSNRHLARVFRSIVLANLTKGVWVASE 300
QY 301 DWAISTYITSVTGIQIGITVLGVAVQOQVPGIKFEESSYVRAVTAAPSACPEGWCSTN 360
DB 301 DWAISTYITSVTGIQIGITVLGVAVQOQVPGIKFEESSYVRAVTAAPSACPEGWCSTN 360
QY 361 QLCRECHTFTTRNMPTLGAFAFSAAYRVYAVVAHGLHQLLGTCTSEICSRGPVYPWQL 420
DB 361 QLCRECHTFTTRNMPTLGAFAFSAAYRVYAVVAHGLHQLLGTCTSEICSRGPVYPWQL 420
QY 421 LQOIYKVNFLHENTVAFDDNGDTLGYDIIAIDWNGPEWTPEIIGSASLSPVHLDINKT 480
DB 421 LQOIYKVNFLHENTVAFDDNGDTLGYDIIAIDWNGPEWTPEIIGSASLSPVHLDINKT 480
QY 481 KIOWHGKNNQVPSVCTTDCLAGHRVWVSHHCCPECVPCBAGTFLNMSLHIQPCGCT 540
DB 481 KIOWHGKNNQVPSVCTTDCLAGHRVWVSHHCCPECVPCBAGTFLNMSLHIQPCGCT 540
QY 541 EEWAPKESITTCPPRTVEFLAWHEPISLVLIANTLLVGTAGLFAWHFTPVVRSAG 600
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DB 601 GRCLFMLGSLVAGSCSFYSPFGEPTVPACLLRQPLFSLGFAIFLSCLTIRSFQVLIIFK 660
QY 661 FSTKVPTFTRTWAQNHGAGLFVIVSSTVHLLICTLWLVMTWTPRTPREYQRPFLHILECT 720
DB 661 FSTKVPTFTRTWAQNHGAGLFVIVSSTVHLLICTLWLVMTWTPRTPREYQRPFLHILECT 720
QY 721 EVNSVGFLLAFTNILLISITFVCSYLKGLPENYNEAKCVTFSLNLFVSWIAPFTMAS 780
DB 721 EVNSVGFLLAFTNILLISITFVCSYLKGLPENYNEAKCVTFSLNLFVSWIAPFTMAS 780

RESULT 2

US-10-725-475-16
; Sequence 16, Application US/10725475
; Publication No. US20060014208A1
; GENERAL INFORMATION:
; APPLICANT: ZOLLER, MARK
; APPLICANT: LI, XIAODONG
; APPLICANT: STASZEWSKI, LENA
; APPLICANT: O'CONNELL, SHAWN
; APPLICANT: ZOZULYA, SERGEY
; APPLICANT: ADLER, JON
; APPLICANT: XU, HONG
; APPLICANT: ECHEVERRI, FERNANDO
; TITLE OF INVENTION: TIR HETERO-OLIGOMERIC TASTE RECEPTORS AND CELL LINES
; TITLE OF INVENTION: THAT EXPRESS SAID RECEPTORS AND USE THEREOF FOR
; TITLE OF INVENTION: IDENTIFICATION OF TASTE COMPOUNDS
; FILE REFERENCE: 078003-0291566
; CURRENT APPLICATION NUMBER: US/10/725,475
; CURRENT FILING DATE: 2003-12-03
; PRIOR APPLICATION NUMBER: 60/300,434
; PRIOR FILING DATE: 2001-06-26
; PRIOR APPLICATION NUMBER: 60/304,749
; PRIOR FILING DATE: 2001-07-13

; PRIOR APPLICATION NUMBER: 60/310,493
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: 60/331,771
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: 60/339,472
; PRIOR FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: 60/372,090
; PRIOR FILING DATE: 2002-04-15
; PRIOR APPLICATION NUMBER: 60/374,143
; PRIOR FILING DATE: 2002-04-22
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 16
; LENGTH: 840
; TYPE: PRT
; ORGANISM: Rattus sp.

US-10-725-475-16

Query Match 100.0%; Score 4485; DB 9; Length 840;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 840; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MLFWAAHLLLSQLVYCWAFSCQRTSSPGFSLPGDFFLAGLFSLHGDCLQVRHRLPVT 60
DB 1 MLFWAAHLLLSQLVYCWAFSCQRTSSPGFSLPGDFFLAGLFSLHGDCLQVRHRLPVT 60
QY 61 CORPDSFNGHGYHLFOAMRFTVEEINSSALLPNITLGYELVDVCSANVATLRLVAL 120
DB 61 CORPDSFNGHGYHLFOAMRFTVEEINSSALLPNITLGYELVDVCSANVATLRLVAL 120
QY 121 QGPRHIEIQKDLRNHSSKVAFIPGPDNDTHAVTTAALGPFPLMPLVSYEASSVLSAKRK 180
DB 121 QGPRHIEIQKDLRNHSSKVAFIPGPDNDTHAVTTAALGPFPLMPLVSYEASSVLSAKRK 180
QY 181 PFSFLRTVPSDRHQVEVMVQLQSGFWWISLIGSYGDIYGVQALBELAVPRGICVAF 240
DB 181 PFSFLRTVPSDRHQVEVMVQLQSGFWWISLIGSYGDIYGVQALBELAVPRGICVAF 240
QY 241 KDIVPFSARVGDPRMQSMQHLAQARTTVVVVFSNRHLARVFRSIVLANLTKGVWVASE 300
DB 241 KDIVPFSARVGDPRMQSMQHLAQARTTVVVVFSNRHLARVFRSIVLANLTKGVWVASE 300
QY 301 DWAISTYITSVTGIQIGITVLGVAVQOQVPGIKFEESSYVRAVTAAPSACPEGWCSTN 360
DB 301 DWAISTYITSVTGIQIGITVLGVAVQOQVPGIKFEESSYVRAVTAAPSACPEGWCSTN 360
QY 361 QLCRECHTFTTRNMPTLGAFAFSAAYRVYAVVAHGLHQLLGTCTSEICSRGPVYPWQL 420
DB 361 QLCRECHTFTTRNMPTLGAFAFSAAYRVYAVVAHGLHQLLGTCTSEICSRGPVYPWQL 420
QY 421 LQOIYKVNFLHENTVAFDDNGDTLGYDIIAIDWNGPEWTPEIIGSASLSPVHLDINKT 480
DB 421 LQOIYKVNFLHENTVAFDDNGDTLGYDIIAIDWNGPEWTPEIIGSASLSPVHLDINKT 480
QY 481 KIOWHGKNNQVPSVCTTDCLAGHRVWVSHHCCPECVPCBAGTFLNMSLHIQPCGCT 540
DB 481 KIOWHGKNNQVPSVCTTDCLAGHRVWVSHHCCPECVPCBAGTFLNMSLHIQPCGCT 540
QY 541 EEWAPKESITTCPPRTVEFLAWHEPISLVLIANTLLVGTAGLFAWHFTPVVRSAG 600
DB 541 EEWAPKESITTCPPRTVEFLAWHEPISLVLIANTLLVGTAGLFAWHFTPVVRSAG 600
QY 601 GRCLFMLGSLVAGSCSFYSPFGEPTVPACLLRQPLFSLGFAIFLSCLTIRSFQVLIIFK 660
DB 601 GRCLFMLGSLVAGSCSFYSPFGEPTVPACLLRQPLFSLGFAIFLSCLTIRSFQVLIIFK 660
QY 661 FSTKVPTFTRTWAQNHGAGLFVIVSSTVHLLICTLWLVMTWTPRTPREYQRPFLHILECT 720
DB 661 FSTKVPTFTRTWAQNHGAGLFVIVSSTVHLLICTLWLVMTWTPRTPREYQRPFLHILECT 720
QY 721 EVNSVGFLLAFTNILLISITFVCSYLKGLPENYNEAKCVTFSLNLFVSWIAPFTMAS 780
DB 721 EVNSVGFLLAFTNILLISITFVCSYLKGLPENYNEAKCVTFSLNLFVSWIAPFTMAS 780

GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on: May 4, 2006, 14:33:28 ; Search time 30.1326 Seconds
(without alignments)
2310.222 Million cell updates/sec

Title: US-09-361-652-2
Perfect score: 4504
Sequence: 1 MLFWAHLHLSQLAVAYCW.....NNTHEFQASIQDYTRRCGTT 842

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*

- 1: /cgn2_6/prodata/1/iaa/5 COMB.pep.*
- 2: /cgn2_6/prodata/1/iaa/6 COMB.pep.*
- 3: /cgn2_6/prodata/1/iaa/H COMB.pep.*
- 4: /cgn2_6/prodata/1/iaa/ECTUS COMB.pep.*
- 5: /cgn2_6/prodata/1/iaa/RE COMB.pep.*
- 6: /cgn2_6/prodata/1/iaa/backfile1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	3348.5	74.3	841	2	US-09-897-427A-2
2	1440.5	32.0	839	2	US-09-897-427A-4
3	1404	31.2	843	2	US-09-361-631-1
4	1400	31.1	843	2	US-09-361-631-2
5	1188.5	26.4	852	2	US-09-897-427A-6
6	1167.5	25.9	1059	2	US-09-334-513-2
7	1153	25.6	1078	1	US-08-485-588-7
8	1153	25.6	1078	1	US-08-484-565-7
9	1153	25.6	1078	1	US-08-480-751-7
10	1153	25.6	1078	1	US-08-943-986-7
11	1153	25.6	1078	2	US-08-353-784-7
12	1153	25.6	1078	2	US-08-484-719B-7
13	1153	25.6	1078	2	US-08-484-159-7
14	1147.5	25.5	1085	1	US-08-485-588-5
15	1147.5	25.5	1085	1	US-08-484-565-5
16	1147.5	25.5	1085	1	US-08-480-751-5
17	1147.5	25.5	1085	1	US-08-943-986-5
18	1147.5	25.5	1085	2	US-08-353-784-5
19	1147.5	25.5	1085	2	US-08-484-719B-5
20	1147.5	25.5	1085	2	US-08-484-159-5
21	1141	25.3	1088	1	US-08-485-588-6
22	1141	25.3	1088	1	US-08-484-565-6
23	1141	25.3	1088	1	US-08-480-751-6
24	1141	25.3	1088	1	US-08-943-986-6
25	1141	25.3	1088	2	US-08-353-784-6
26	1141	25.3	1088	2	US-08-484-719B-6
27	1141	25.3	1088	2	US-08-484-159-6

28	1138	25.3	1078	2	US-10-125-772-28	Sequence 28, Appl
29	1136.5	25.2	1079	1	US-08-485-588-8	Sequence 8, Appl
30	1136.5	25.2	1079	1	US-08-484-565-8	Sequence 8, Appl
31	1136.5	25.2	1079	1	US-08-480-751-8	Sequence 8, Appl
32	1136.5	25.2	1079	1	US-08-943-986-8	Sequence 8, Appl
33	1136.5	25.2	1079	2	US-08-353-784-8	Sequence 8, Appl
34	1136.5	25.2	1079	2	US-08-484-719B-8	Sequence 8, Appl
35	1136.5	25.2	1079	2	US-08-484-159-8	Sequence 8, Appl
36	1134.5	25.2	1027	2	US-09-162-021B-2	Sequence 2, Appl
37	1134.5	25.2	1027	2	US-10-268-051-8	Sequence 2, Appl
38	1134.5	25.2	1027	2	US-10-125-772-2	Sequence 2, Appl
39	1127	25.0	669	2	US-09-361-631-7	Sequence 7, Appl
40	1101.5	24.5	941	2	US-10-125-772-8	Sequence 8, Appl
41	1101.5	24.5	941	2	US-10-125-772-10	Sequence 10, Appl
42	1078.5	23.9	850	2	US-10-125-772-12	Sequence 12, Appl
43	1043	23.2	1219	1	US-08-687-289A-6	Sequence 6, Appl
44	1043	23.2	1219	2	US-09-435-897-6	Sequence 6, Appl
45	1030	22.9	851	2	US-09-619-353-12	Sequence 12, Appl

ALIGNMENTS

RESULT 1
US-09-897-427A-2
; Sequence 2, Application US/09897427A
; Patent No. 6955887
; GENERAL INFORMATION:
; APPLICANT: ADLER, JON ELLIOT
; APPLICANT: LI, XIADONG
; APPLICANT: STAZEMSKI, LENA
; APPLICANT: XU, HONG
; APPLICANT: EHEVERRI, FERNANDO
; TITLE OF INVENTION: T1R HETERO-OLIGOMERIC TASTE RECEPTORS
; FILE REFERENCE: 078003-0282558
; CURRENT APPLICATION NUMBER: US/09/897,427A
; CURRENT FILING DATE: 2001-07-03
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 841
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-897-427A-2

Query Match		74.3%	Score 3348.5;	DB 2;	Length 841;
Best Local Similarity		73.5%	Pred. No. 2.7e+309;		
Matches 619;		Conservative	87;	Mismatches 135;	Indels 1; Gaps 1;
QY	1	MLFWAHLHLSQLAVAYCWAFSCQRTESSPGFLPGDFLLAGLFSLHADCLQVRHPLV	60		
DB	1	MLLCTAR-LVGLQLLISCWAFACHSTESSPDFTLPDYLLAGLFPPLHSGCLQVRHREV	59		
QY	61	TCSDRSDSNGHYHLFQAMRTVEINNSTALLNITGLYELYDYVCSSESVYATLRVP	120		
DB	60	TLCDSRCSFNGHYHLFQAMRLGVEINNSTALLNITGLYQLYDYVCSDSANVYATLRVL	119		
QY	121	AQQTGTHLSEMDLRNHSKVVALLIGPDNTDRAVTTAALLSPFLMPLVSYEASSVILSGK	180		
DB	120	SLPGQHILSQDGLLHYSTVLAVIGDSTNRAATTAALLSPFLVPMVSYAASSETLSVK	179		
QY	181	RKPPSPFLRTIPSDKYQVEVIVRLLSQFGVWVWISLVGSYDYGQLGVOALEELATPGICV	240		
DB	180	RQYPSFLRTIPNDKYQVETWVLLLOKFGMTWISLVGSSDDYDYGQVGALENQATGQICV	239		
QY	241	AFKDVVPLSAQAGDPRMQRMLARPARTVVVFNRLHAGVFFSVVLNLTGKVWIA	300		
DB	240	AFKDIIMPFAQVGDERMOCIMRHLAQAGATVVVVFSSRQLARVFFSVVLNTGKVWVA	299		
QY	301	SEDMALSTVITNVPQIGTGLVGAIOQOVPGKPEFSESYVOAVMGAPRTCPGSCWG	360		
DB	300	SEANLSRHTGVPGIQRIGWLGVAIQKRVPLKAFENYARADKAPRCPCHKGSWCS	359		

361 TNOLCRECHAPTMMPELGFAPMSAAYNVAAYAVAGHLHOLLGCTSGTCARGPVYPM 420
360 SNOLCRECOFAWHTMPKLFAPMSAYNAYRAVAVAGHLHOLLGCGASGRGVYPM 419
421 QLLQOYKYVFLHKKTKTAVFDDKGLYDIIAMDWNGPEWTFEIVGSASLSPVHLDTN 480
420 QLEQIHKKVFLHKKTKTAVFDDKGLYDIIAMDWNGPEWTFEIVGSASLSPVHLDTN 479
481 KTKIOWHGKNNQVPVSVCTRCLEGHRLVMGSHHCCFECMPCCEAGTFNTSELHLCQPC 540
480 ETKIOWHGKNNQVPVSVCTRCLEGHRLVMGSHHCCFECMPCCEAGTFNTSELHLCQPC 539
541 CTEWNAPEGSSACFSSTVEFLGWHEPISLVLAANTLLLLIGTAGLPAWRLHPTVRS 600
540 GKEEWAPEGSQTCFPRVTVFLALREHTSWVLLAANTLLLLIGTAGLPAWRLHPTVRS 599
601 AGGRCLFMLGSLVAGSCSLYSPFGKPTVPACILRQPLFSLGFAIFLSCLTIRSFOLVII 660
600 AGGRCLFMLGSLVAGSCSLYSPFGKPTVPACILRQPLFSLGFAIFLSCLTIRSFOLVII 659
661 KPESTKVPFYTMAQNHGAGIYFVIVSVTVHLFCLTULWAMTTPRTBYQRPPLHVLIE 720
660 KPESTKVPFYTMAQNHGAGIYFVIVSVTVHLFCLTULWAMTTPRTBYQRPPLHVLIE 719
721 CTEVNSVGLVAFANHLLISITFVCSYLKGLPENYNEAKCVTFSLLLHFEVSWIAFTM 780
720 CTEVNSVGLVAFANHLLISITFVCSYLKGLPENYNEAKCVTFSLLLHFEVSWIAFTM 779
781 SSIYQGSYLPAVNVLAGLTLGGFSGYFLPKCYVILCRPELNNTEHFOASIQDYTRCG 840
780 ASYDGYKYLPAANMAGLSLSSGFGYFLPKCYVILCRPELNNTEHFOASIQDYTRCG 839
841 TT 842
840 ST 841

RESULT 2
US-09-897-427A-4
; Sequence 4, Application US/09897427A
; Patent No. 6955887
; GENERAL INFORMATION:
; APPLICANT: ADLER, JON ELLIOT
; APPLICANT: LI, XIADONG
; APPLICANT: STAZEWSKI, LENA
; APPLICANT: XU, HONG
; APPLICANT: EHEVERRI, FERNANDO
; TITLE OF INVENTION: T1R HETERO-OLIGOMERIC TASTE RECEPTORS
; FILE REFERENCE: 078003-0282558
; CURRENT APPLICATION NUMBER: US/09/897,427A
; CURRENT FILING DATE: 2001-07-03
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 839
; TYPE: PR1
; ORGANISM: Homo sapiens
US-09-897-427A-4

Query Match 32.0%; Score 1440.5; DB 2; Length 839;
Best Local Similarity 39.8%; Pred. No. 1.2e-127;
Matches 329; Conservative 121; Mismatches 341; Indels 35; Gaps 15;

33 FSLPGDFLLAGLFLSHADCLQVHRPL--VTSCDRSDSFNGHGYHFLQAMRFTVEINNS 90
27 FYLPQGYLLGGLFSLHANKGIVHLNPLQVPMC-KEYEVKVIYGLNLMQAMRFAVEINND 85
91 TALLPNITIGELYDYDCSSSNVYATLRVPAQOGTGHLEMQRLNRHSSKVALIGPDNT 150
86 SLLPGVLLGYEVDVYCSNNQVPLYFLAHE-DNLLPIQEDYSYISRWAVIGPDNS 144
151 DRAVTTAALLSPFLMPLVSEASVILSGRKPFLRITPDKYQVEIVRLQLQFGWV 210

145 ESMVTANFLSLFLPQITYSAISDELKDKVRFPALLRTTPSADHHEAMVQLMLHFRWN 204
211 WISLVGSGDYGQGLQVQALEBLATPRGICVAFKDVVPL--SAQAGDPRMORMML--RL 264
205 WIIVLVSDTYGRDNGQLGERVARDDICIAPOETLPTLQPNQNTSBERQKLVIVDKL 264
265 ARARTVVVVVFNHRLAGVFFRSVVLANLTGKVIWIASDWAISTYITNVPGIQTGIVLG 324
265 QOSTARVVVVVFPDLTLVHFNEVLQNFAGVWIASDWAIDPVLHNLTELHGLGTFLG 324
325 VAIQORQVPLKFEESYVQAVMGAPRTCPGEGMCGTQOLCRECHAPTMMPELGAISM 384
325 ITIQSVPIPGSEFPEWGPQA--GPPPLSRTSQSTCQECDCNCLNATLSEFTILRLSGE 382
385 SNAYNVYANVAVAGHLHOLLGCTSGTCARGPVYPMQLLQIYKYNELLHKKTKVAPDDKG 444
383 RVVSVYGANVAVAGHLHOLLGCTSGTCARGPVYPMQLLQIYKYNELLHKKTKVAPDDKG 442
445 DPLGYDIIAMDWNGPEWTFEIVGSASLSPVHLDT-NKTKIOWHGKNNQVPVSVCTRCCL 503
443 DVALHLEIVQWQDRSQNPFSQV--ASYPLQRLQKNQIDISWHTVNTIPMSMCKRCQ 500
504 BGHRLVMGSHHCCFECMPCBAGTFLN-TSELHTCQPCGTEWAPGEGSACFSRTVEFLG 562
501 SQQKKKPVGIHVCCPECIDCLPGLTFLNTEDEYECQACPNNEWSYQSETSCPKRLQVFL 560
563 WHE--PISLVILAA---NTLLLLLLIGTAGLFAWR-LHTPVRSAGGRLCFLMLGSLVA 615
561 WHEAPTIAVALLAALGFLSTLAILVIF-----WRHFTPIVRAGGPMCFMLTLLIV 613
616 GSCSLYSPFGKPTVPACILRQPLFSLGFAIFLSCLTIRSFQVLIIFKSTKVPFHTWA 675
614 AYWVPVYVGPVKVSTCLCRQALFPLCTICISIAVRSFQIVCAFKWASRFPRAYSVW 673
676 QNHGAGI---FVIVSVTVHLFCLTULWAMTTPRTBYQRPPLHVLIECTEVNSVGLVLA 732
674 RYQGPVYVSMATVILKWV--IWIQMLATGLSPTRTDPDDPKITIVSCNPNYRNSLLFN 731
733 FAHNTLLSISFVCSYLKGLPENYNEAKCVTFSLLLHFEVSWIAFTMSSIYQGSYLPV 792
732 TSLDLLLVSVGFSFAYMGKELPTNNEAKPITLMTFTTSSVSLCTTMSAISGLVLTIV 791
793 NVLAGLTLGGFSGYFLPKCYVILCRPELNNTEHFOASIQDYTRR 838
792 DLLVTVNLLAISLGYFGPKCYMILFYPERNTPAYFNMSIQGYTWR 837

RESULT 3
US-09-361-631-1
; Sequence 1, Application US/09361631
; Patent No. 6383778
; GENERAL INFORMATION:
; APPLICANT: Zuker, Charles S.
; APPLICANT: Adler, Jon Elliot
; APPLICANT: Lindemeier, Juergen
; APPLICANT: The Regents of the University of California
; TITLE OF INVENTION: Nucleic Acids Encoding a G-Protein Coupled Receptor
; TITLE OF INVENTION: Involved in Sensory Transduction
; FILE REFERENCE: 02307E-088720US
; CURRENT APPLICATION NUMBER: US/09/361,631
; CURRENT FILING DATE: 1999-07-27
; EARLIER APPLICATION NUMBER: US 60/095,464
; EARLIER FILING DATE: 1998-07-28
; EARLIER APPLICATION NUMBER: US 60/112,747
; EARLIER FILING DATE: 1998-12-17
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 843
; TYPE: PR1
; ORGANISM: Rattus sp.
; FEATURE:
; OTHER INFORMATION: rat G-protein coupled receptor (GPCR) B4 amino

GenCore version 5.1.7
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: May 4, 2006, 14:52:34 ; Search time 101.013 Seconds
(without alignments)
3482.855 Million cell updates/sec

Title: US-09-361-652-2
Perfect score: 4504
Sequence: 1 MLFWAHLHLLSLQAVAYCW.....NNTFHQASIQDYTRRCGTT 842

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA Main:
1: /cgn2_6/prodata/1/pubpaa/US07_PUBCOMB.pep.*
2: /cgn2_6/prodata/1/pubpaa/US08_PUBCOMB.pep.*
3: /cgn2_6/prodata/1/pubpaa/US09_PUBCOMB.pep.*
4: /cgn2_6/prodata/1/pubpaa/US10A_PUBCOMB.pep.*
5: /cgn2_6/prodata/1/pubpaa/US10B_PUBCOMB.pep.*
6: /cgn2_6/prodata/1/pubpaa/US11_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	4504	100.0	842	3	US-09-361-652-2
2	4504	100.0	842	3	US-09-927-315-2
3	4504	100.0	842	4	US-10-246-785-2
4	4504	100.0	842	4	US-10-190-417-2
5	4504	100.0	842	5	US-10-679-102-2
6	4479	99.4	842	4	US-10-436-715-35
7	4479	99.4	842	4	US-10-436-715-67
8	4455	98.9	842	4	US-10-436-715-68
9	4100	91.0	840	3	US-09-361-652-1
10	4100	91.0	840	3	US-09-927-315-1
11	4100	91.0	840	4	US-10-246-785-3
12	4100	91.0	840	4	US-10-190-417-1
13	4100	91.0	840	4	US-10-159-339-12
14	4100	91.0	840	4	US-10-179-373-16
15	4100	91.0	840	4	US-10-436-715-39
16	4100	91.0	840	4	US-10-436-715-69
17	4100	91.0	840	4	US-10-725-103-16
18	4100	91.0	840	4	US-10-725-489-16
19	4100	91.0	840	4	US-10-725-080A-16
20	4100	91.0	840	4	US-10-725-472A-16
21	4100	91.0	840	5	US-10-725-418-16
22	4100	91.0	840	5	US-10-679-102-1
23	3656.5	81.2	1138	4	US-10-261-482-4
24	3349.5	74.4	841	4	US-10-188-186-2
25	3348.5	74.3	841	3	US-09-819-946-2
26	3348.5	74.3	841	3	US-09-897-427A-2
27	3348.5	74.3	841	3	US-09-799-629-17

28 3348.5 74.3 841 4 US-10-035-045-17 Sequence 17, Appl
29 3348.5 74.3 841 4 US-10-417-27 Sequence 27, Appl
30 3348.5 74.3 841 4 US-10-179-373-5 Sequence 5, Appl
31 3348.5 74.3 841 4 US-10-311-196-3 Sequence 3, Appl
32 3348.5 74.3 841 4 US-10-725-081-17 Sequence 17, Appl
33 3348.5 74.3 841 4 US-10-724-223-17 Sequence 17, Appl
34 3348.5 74.3 841 4 US-10-725-103-5 Sequence 5, Appl
35 3348.5 74.3 841 4 US-10-725-489-5 Sequence 5, Appl
36 3348.5 74.3 841 4 US-10-724-080A-5 Sequence 5, Appl
37 3348.5 74.3 841 4 US-10-724-222-17 Sequence 5, Appl
38 3348.5 74.3 841 4 US-10-725-472A-5 Sequence 5, Appl
39 3348.5 74.3 841 4 US-10-725-276-17 Sequence 17, Appl
40 3348.5 74.3 841 4 US-10-770-127-197 Sequence 197, App
41 3348.5 74.3 841 5 US-10-726-568-17 Sequence 17, Appl
42 3348.5 74.3 841 5 US-10-725-284-17 Sequence 17, Appl
43 3348.5 74.3 841 5 US-10-885-493-2 Sequence 2, Appl
44 3348.5 74.3 841 5 US-10-725-418-5 Sequence 5, Appl
45 3348.5 74.3 841 5 US-10-679-102-27 Sequence 27, Appl

ALIGNMENTS

RESULT 1
US-09-361-652-2
; Sequence 2, Application US/09361652
; Publication No. US20030036630A1
; GENERAL INFORMATION:
; APPLICANT: Zuker, Charles S.
; APPLICANT: Adler, Jon Elliot
; APPLICANT: Lindemeier, Juergen
; APPLICANT: Ryba, Nick
; APPLICANT: Hoon, Mark
; APPLICANT: The Regents of the University of California
; TITLE OF INVENTION: Nucleic Acids Encoding a G-Protein Coupled Receptor
; FILE REFERENCE: 02307E-088610US
; CURRENT APPLICATION NUMBER: US/09/361.652
; CURRENT FILING DATE: 1999-07-27
; EARLIER APPLICATION NUMBER: US 60/094,465
; EARLIER FILING DATE: 1998-07-28
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 2
; LENGTH: 842
; TYPE: PRT
; ORGANISM: Mus sp.
; FEATURE:
; OTHER INFORMATION: mouse G-protein coupled receptor B3 (GPCR-B3)
US-09-361-652-2

Query Match 100.0%; Score 4504; DB 3; Length 842;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 842; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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DB 1 MLFWAHLHLLSLQAVAYCWAFSCQRTSSPGFSLPGDFLLAGLFLSHADCLQVRHPLV 60
QY 61 TSCDRSDSFNGHGHYLFQAMRFTVEEINNSTALLPNTLTGLYELVDVCSSENNYATLRVP 120
DB 61 TSCDRSDSFNGHGHYLFQAMRFTVEEINNSTALLPNTLTGLYELVDVCSSENNYATLRVP 120
QY 121 AQQGTGHELMORDLRNHSSKVVALIGPDNTDHAVTALLSPFPLMPLVSEASSVILSGK 180
DB 121 AQQGTGHELMORDLRNHSSKVVALIGPDNTDHAVTALLSPFPLMPLVSEASSVILSGK 180
QY 181 RKFPSTLTIPSDKYQVEVIRLLQSGFQVWISLVGSDYDYGQGLVQALBELATPRGICV 240
DB 181 RKFPSTLTIPSDKYQVEVIRLLQSGFQVWISLVGSDYDYGQGLVQALBELATPRGICV 240
QY 241 AFKDVVPLSAQAQGRPMQRMMLRLARATTTVVVPSFNHLHAGVFFRSVVLNLTGKWIA 300

Db 241 AFKDVVPLSAQAGDPRMQLRLARATTTVVVFSNRHLAGVFFRSVVLANTLTKGVIA 300
Qy 301 SEDWASTYITNPGIOGIGTGLVAVAOQROVPLKEFEESYQAVMGAPRTCPGSMCG 360
Db 301 SEDWASTYITNPGIOGIGTGLVAVAOQROVPLKEFEESYQAVMGAPRTCPGSMCG 360
Qy 361 TNOLCRECHAFPTWNPDELGAFAFMSAAYNYEAVYAVAGHLHQLLCTGTCARGPVY 420
Db 361 TNOLCRECHAFPTWNPDELGAFAFMSAAYNYEAVYAVAGHLHQLLCTGTCARGPVY 420
Qy 421 QLLQIYKYNFLHKKTVAFDDKGPLGYDYDIIAOWNGPEWTFEVIQSASLSPVHLDIN 480
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Qy 481 KTKIOWHGKNNQVPVSVCTRDCLGHHRLVMGSHHCCFECMPCEAGTFLNTSELHTCQPC 540
Db 481 KTKIOWHGKNNQVPVSVCTRDCLGHHRLVMGSHHCCFECMPCEAGTFLNTSELHTCQPC 540
Qy 541 GTEWAPGSSACFSRTVEFLGWHEPISLVLLAANTLLLLIGTAGLPAWRLHTPVVRS 600
Db 541 GTEWAPGSSACFSRTVEFLGWHEPISLVLLAANTLLLLIGTAGLPAWRLHTPVVRS 600
Qy 601 AGGRLCFLMLGSLVAGSCSLYSFFGKPTVPACLLRQPLFSLGFAIFLSCLTIRSFQV 660
Db 601 AGGRLCFLMLGSLVAGSCSLYSFFGKPTVPACLLRQPLFSLGFAIFLSCLTIRSFQV 660
Qy 661 FKSTKVPFTYHTWAQNHGAGIFVIVSVSTVHLFLCLTLWAMWTPRTREYQRPVH 720
Db 661 FKSTKVPFTYHTWAQNHGAGIFVIVSVSTVHLFLCLTLWAMWTPRTREYQRPVH 720
Qy 721 CTEVNSVGLVAFVAFHNILLSTFVCSYLKGLPENYNEAKCVTFSLHLHFVSWIAFF 780
Db 721 CTEVNSVGLVAFVAFHNILLSTFVCSYLKGLPENYNEAKCVTFSLHLHFVSWIAFF 780
Qy 781 SSIYQGSYLPAVNVLAGLTLGGFGYFLPKCVILCRPELNTEHFQASIDYTRRCG 840
Db 781 SSIYQGSYLPAVNVLAGLTLGGFGYFLPKCVILCRPELNTEHFQASIDYTRRCG 840
Qy 841 TT 842
Db 841 TT 842

RESULT 2

US-09-927-315-2
; Sequence 2, Application US/09927315
; Publication No. US20030040045A1
; GENERAL INFORMATION:
; APPLICANT: Zuker, Charles S.
; APPLICANT: Ryba, Nicholas J. P.
; APPLICANT: Nelson, Greg
; APPLICANT: Hoon, Mark A.
; APPLICANT: Chandrashekar, Jayaram
; APPLICANT: Zhang, Yifeng
; APPLICANT: The Regents of the University of California
; APPLICANT: The Government of the United States of America
; APPLICANT: as represented by the Secretary of the
; APPLICANT: Department of Health and Human Services
; TITLE OF INVENTION: Mammalian Sweet Taste Receptors
; FILE REFERENCE: 02307E-120110US
; CURRENT APPLICATION NUMBER: US/09/927,315
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: US 60/302,898
; PRIOR FILING DATE: 2001-07-03
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 842
; TYPE: PRT
; ORGANISM: Mus musculus
; FEATURE:
; OTHER INFORMATION: mouse Tir1 sweet taste receptor
US-09-927-315-2

Query Match 100.0%; Score 4504; DB 3; Length 842;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 842; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLFMAAHLILLSQLAVAYCWFAPSCQRTSSPGFSLPGDFLLAGLSLHADCLQVHRPLV 60
Db 1 MLFMAAHLILLSQLAVAYCWFAPSCQRTSSPGFSLPGDFLLAGLSLHADCLQVHRPLV 60
Qy 61 TSCDRSDSPNGHYHLFOAMRTVEINNSTALLNITLGYELYDVCSESSNYATLRVP 120
Db 61 TSCDRSDSPNGHYHLFOAMRTVEINNSTALLNITLGYELYDVCSESSNYATLRVP 120
Qy 121 AOQGTGHEMQDRDLNHSKVVALLGPONTDHAVTTAALLSPFLMPLVSYEASSVILSK 180
Db 121 AOQGTGHEMQDRDLNHSKVVALLGPONTDHAVTTAALLSPFLMPLVSYEASSVILSK 180
Qy 181 RKPPSFLRTIPSDKYQVEIVRLQSGFVWISLVGSYDYGQQLGVQALAEELATPRGICV 240
Db 181 RKPPSFLRTIPSDKYQVEIVRLQSGFVWISLVGSYDYGQQLGVQALAEELATPRGICV 240
Qy 241 AFKDVVPLSAQAGDPRMQLRLARATTTVVVFSNRHLAGVFFRSVVLANTLTKGVIA 300
Db 241 AFKDVVPLSAQAGDPRMQLRLARATTTVVVFSNRHLAGVFFRSVVLANTLTKGVIA 300
Qy 301 SEDWASTYITNPGIOGIGTGLVAVAOQROVPLKEFEESYQAVMGAPRTCPGSMCG 360
Db 301 SEDWASTYITNPGIOGIGTGLVAVAOQROVPLKEFEESYQAVMGAPRTCPGSMCG 360
Qy 361 TNOLCRECHAFPTWNPDELGAFAFMSAAYNYEAVYAVAGHLHQLLCTGTCARGPVY 420
Db 361 TNOLCRECHAFPTWNPDELGAFAFMSAAYNYEAVYAVAGHLHQLLCTGTCARGPVY 420
Qy 421 QLLQIYKYNFLHKKTVAFDDKGPLGYDYDIIAOWNGPEWTFEVIQSASLSPVHLDIN 480
Db 421 QLLQIYKYNFLHKKTVAFDDKGPLGYDYDIIAOWNGPEWTFEVIQSASLSPVHLDIN 480
Qy 481 KTKIOWHGKNNQVPVSVCTRDCLGHHRLVMGSHHCCFECMPCEAGTFLNTSELHTCQPC 540
Db 481 KTKIOWHGKNNQVPVSVCTRDCLGHHRLVMGSHHCCFECMPCEAGTFLNTSELHTCQPC 540
Qy 541 GTEWAPGSSACFSRTVEFLGWHEPISLVLLAANTLLLLIGTAGLPAWRLHTPVVRS 600
Db 541 GTEWAPGSSACFSRTVEFLGWHEPISLVLLAANTLLLLIGTAGLPAWRLHTPVVRS 600
Qy 601 AGGRLCFLMLGSLVAGSCSLYSFFGKPTVPACLLRQPLFSLGFAIFLSCLTIRSFQV 660
Db 601 AGGRLCFLMLGSLVAGSCSLYSFFGKPTVPACLLRQPLFSLGFAIFLSCLTIRSFQV 660
Qy 661 FKSTKVPFTYHTWAQNHGAGIFVIVSVSTVHLFLCLTLWAMWTPRTREYQRPVH 720
Db 661 FKSTKVPFTYHTWAQNHGAGIFVIVSVSTVHLFLCLTLWAMWTPRTREYQRPVH 720
Qy 721 CTEVNSVGLVAFVAFHNILLSTFVCSYLKGLPENYNEAKCVTFSLHLHFVSWIAFF 780
Db 721 CTEVNSVGLVAFVAFHNILLSTFVCSYLKGLPENYNEAKCVTFSLHLHFVSWIAFF 780
Qy 781 SSIYQGSYLPAVNVLAGLTLGGFGYFLPKCVILCRPELNTEHFQASIDYTRRCG 840
Db 781 SSIYQGSYLPAVNVLAGLTLGGFGYFLPKCVILCRPELNTEHFQASIDYTRRCG 840
Qy 841 TT 842
Db 841 TT 842

RESULT 3

US-10-246-785-2
; Sequence 2, Application US/10246785
; Publication No. US20030148448A1
; GENERAL INFORMATION:
; APPLICANT: IRM, LLC
; APPLICANT: The Scripps Research Institute

GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on: May 4, 2006, 14:54:39 ; Search time 16.0935 Seconds
(without alignments)
2421.578 Million cell updates/sec

Title: US-09-361-652-2

Perfect score: 4504

Sequence: 1 MLFWAAHLLSLQLAVAYCW.....NNTHEFQASIQDYTRCGTT 842

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 235405 seqs, 46284737 residues

Total number of hits satisfying chosen parameters: 235405

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA New:*
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2: /SIDSS5/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
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4: /SIDSS5/ptodata/2/pubpaa/US08_NEW_PUB.pep.*
5: /SIDSS5/ptodata/2/pubpaa/FCT_NEW_PUB.pep.*
6: /SIDSS5/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
7: /SIDSS5/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
8: /SIDSS5/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
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11: /SIDSS5/ptodata/2/pubpaa/US11_NEW_PUB.pep.*
12: /SIDSS5/ptodata/2/pubpaa/US60_NEW_PUB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	4504	100.0	842	9	US-10-645-441-2
2	4100	91.0	840	9	US-10-645-441-1
3	4100	91.0	840	9	US-10-725-475-16
4	3348.5	74.3	841	9	US-10-725-475-5
5	3348.5	74.3	841	11	US-11-050-804-2
6	3104.5	68.9	777	9	US-10-645-441-3
7	1440.5	32.0	839	9	US-10-725-475-6
8	1440.5	32.0	839	11	US-11-050-804-4
9	1434	31.8	838	9	US-10-645-441-9
10	1404	31.2	843	9	US-10-725-475-17
11	1404	31.2	843	9	US-10-645-441-8
12	1400	31.1	843	9	US-10-725-475-7
13	1191.5	26.5	852	9	US-10-725-475-1
14	1188.5	26.4	852	9	US-10-645-441-15
15	1188.5	26.4	852	11	US-11-050-804-6
16	1178	26.2	858	9	US-10-645-441-25
17	1178	26.2	858	9	US-10-725-475-4
18	1167.5	25.9	858	9	US-10-645-441-18
19	1163.5	25.8	858	9	US-10-645-441-20
20	1159.5	25.7	858	9	US-10-645-441-23
21	1145	25.4	867	9	US-10-725-475-19

22	1077	23.9	928	9	US-10-841-129-4	Sequence 4, Appli
23	1051	23.3	928	9	US-10-841-129-6	Sequence 6, Appli
24	1012	22.5	926	9	US-10-841-129-2	Sequence 2, Appli
25	737	16.4	1199	9	US-10-922-166-15	Sequence 15, Appli
26	734	16.3	845	9	US-10-725-475-18	Sequence 18, Appli
27	713	15.8	879	9	US-10-877-346-17	Sequence 17, Appli
28	708	15.7	879	9	US-10-877-346-53	Sequence 53, Appli
29	707	15.7	879	9	US-10-877-346-54	Sequence 54, Appli
30	701	15.6	879	9	US-10-877-346-52	Sequence 52, Appli
31	680	15.1	865	11	US-11-094-519A-41	Sequence 41, Appli
32	470.5	10.4	242	9	US-10-725-475-13	Sequence 13, Appli
33	446.5	9.9	497	9	US-10-918-857-8	Sequence 8, Appli
34	446.5	9.9	576	9	US-10-922-166-2	Sequence 2, Appli
35	446.5	9.9	790	9	US-10-918-857-6	Sequence 6, Appli
36	446.5	9.9	790	9	US-10-922-166-20	Sequence 20, Appli
37	378	8.4	236	9	US-10-725-475-15	Sequence 15, Appli
38	374	8.3	425	9	US-10-918-857-4	Sequence 4, Appli
39	374	8.3	718	9	US-10-918-857-2	Sequence 2, Appli
40	370.5	8.2	256	9	US-10-877-346-85	Sequence 85, Appli
41	336.5	7.5	165	9	US-10-725-475-14	Sequence 14, Appli
42	310.5	6.9	137	9	US-10-725-475-12	Sequence 12, Appli
43	286	6.3	402	9	US-10-877-346-84	Sequence 84, Appli
44	193	4.3	844	11	US-11-127-877-40	Sequence 40, Appli
45	150.5	3.3	885	9	US-10-912-971-2	Sequence 2, Appli

ALIGNMENTS

RESULT 1

US-10-645-441-2
; Sequence 2, Application US/10645441
; Publication No. US20050260599A1
; GENERAL INFORMATION:
; APPLICANT: Zuker, Charles S.
; APPLICANT: Ryba, Nicholas J.P.
; APPLICANT: Nelson, Greg
; APPLICANT: Hoon, Mark A.
; APPLICANT: Chandrasekar, Jayaram
; APPLICANT: Zhang, Yifeng
; APPLICANT: The Regents of the University of California
; APPLICANT: The Government of the United States of America
; APPLICANT: as represented by the Secretary of the
; APPLICANT: Department of Health and Human Services
; TITLE OF INVENTION: Mammalian Sweet Taste Receptors
; FILE REFERENCE: 023078-120110US
; CURRENT APPLICATION NUMBER: US/10/645,441
; CURRENT FILING DATE: 2003-08-20
; PRIOR APPLICATION NUMBER: US/09/927,315
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: US 60/302,898
; PRIOR FILING DATE: 2001-07-03
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Patentin Ver. 2.1
; LENGTH: 842
; SEQ ID NO 2
; TYPE: PRT
; ORGANISM: Mus musculus
; FEATURE:
; OTHER INFORMATION: mouse Tir1 sweet taste receptor
US-10-645-441-2

Query Match 100.0%; Score 4504; DB 9; Length 842;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 842; Conservative. 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLFWAAHLLSLQLAVAYCWAFSCQRTSSPGSLPGDPLLAGLPSLHADCLQVRHPLV 60

Db 1 MLFWAAHLLSLQLAVAYCWAFSCQRTSSPGSLPGDPLLAGLPSLHADCLQVRHPLV 60

Qy 61 TSCDRSDSFNGHGYHLFQAMRFTVEEINNSTALLPNITLGYELDYVCSSESNVYATLRVP 120

Db 61 TSCDRSDSFNGHGYHLFQAMRFTVEEINNSTALLPNITLGYELDYVCSSESNVYATLRVP 120

121 AOGTGHLEMDRLNHSKVVALLGPDNTDHAHTTAALLSPFLMPLVSYEASSVILSK 180
121 AOGTGHLEMDRLNHSKVVALLGPDNTDHAHTTAALLSPFLMPLVSYEASSVILSK 180
181 RFPSPFLRTIPSDKYQVEVIVRLQSGFWWISLVGSYGDYQGLGVALEELATPRGICV 240
181 RFPSPFLRTIPSDKYQVEVIVRLQSGFWWISLVGSYGDYQGLGVALEELATPRGICV 240
241 AFKDVVPLSAQAGDPRMQRMLRLARARTVVVVVFNHRLAGVFFRSVVLANLTGKWTIA 300
241 AFKDVVPLSAQAGDPRMQRMLRLARARTVVVVVFNHRLAGVFFRSVVLANLTGKWTIA 300
301 SEDMAISTYITNVPQIGITGVLAIOQOVPELKEPEESYVQAVMGAPRTCPGSGWC 360
301 SEDMAISTYITNVPQIGITGVLAIOQOVPELKEPEESYVQAVMGAPRTCPGSGWC 360
361 TNLQCRECHAFPTWNNPELGAFSMAAYNVEAVAVAGHLQHLGCTSGTCARGPVYFW 420
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421 QLLQOIYKVNFLHKKTVAFDDKGPLGYDIIANDWNGPEWTFEIVGSASISPVHLDIN 480
421 QLLQOIYKVNFLHKKTVAFDDKGPLGYDIIANDWNGPEWTFEIVGSASISPVHLDIN 480
481 KTKIOHGHKNNQVPVSVCTRDCLGHHRLVMSHHCCFECMPCCEAGTFLNTSELHTCQPC 540
481 KTKIOHGHKNNQVPVSVCTRDCLGHHRLVMSHHCCFECMPCCEAGTFLNTSELHTCQPC 540
541 GTEEWAPEGSACFSRTVFLGWHEPISLVLLAANTLLLLIGTAGLFAWRLHTPVVRS 600
541 GTEEWAPEGSACFSRTVFLGWHEPISLVLLAANTLLLLIGTAGLFAWRLHTPVVRS 600
601 AGGRLCFLMLGSLVAGSCSYSPFGKPTVPACLLRQPLFSLGPAIFLCLTIRSFQVLI 660
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661 FKPFSTKVPFTYHTWAQNHGAGIFVIVSVTHLFLCLTTLWAMTPTREYQRPPLHVL 720
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721 CTEVNSVGLVFAFAHNLISISTFVCSYLGKELPENYNEAKCVTFSLHLLHFVSWIAFFT 780
721 CTEVNSVGLVFAFAHNLISISTFVCSYLGKELPENYNEAKCVTFSLHLLHFVSWIAFFT 780
781 SSIYQGSYLPVAVNLVAGLATLSGGFSGYFLPKCYVILCRPELNTHEFQASIDYTRRCG 840
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841 TT 842
841 TT 842

RESULT 2

US-10-645-441-1
; Sequence 1, Application US/10645441
; Publication No. US20050260599A1
; GENERAL INFORMATION:
; APPLICANT: Zuker, Charles S.
; APPLICANT: Ryba, Nicholas J.P.
; APPLICANT: Nelson, Greg
; APPLICANT: Hoon, Mark A.
; APPLICANT: Chandrashekar, Jayaram
; APPLICANT: Zhang, Yifeng
; APPLICANT: The Regents of the University of California
; APPLICANT: The Government of the United States of America
; APPLICANT: as represented by the Secretary of the
; APPLICANT: Department of Health and Human Services
; TITLE OF INVENTION: Mammalian Sweet Taste Receptors
; FILE REFERENCE: 023078-120110US
; CURRENT APPLICATION NUMBER: US/10/645,441
; CURRENT FILING DATE: 2003-08-20

; PRIOR APPLICATION NUMBER: US/09/927,315
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: US 60/302,898
; PRIOR FILING DATE: 2001-07-03
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 840
; TYPE: PRT
; ORGANISM: Rattus sp.
; FEATURE:
; OTHER INFORMATION: rat Tir1 sweet taste receptor
US-10-645-441-1

Query Match 91.0%; Score 4100; DB 9; Length 840;

Best Local Similarity 89.9%; Pred. No. 0;

Matches 757; Conservative 35; Mismatches 48; Indels 2; Gaps 1;

QY 1 MLFWAAHLLLSLQAVAYCWAFCQRTSSPGFSLPGDFLLAGFLSLHADCLQVRHPLV 60

DB 1 MLFWAAHLLLSLQ--VYCWAFCQRTSSPGFSLPGDFLLAGFLSLHADCLQVRHPLV 58

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DB 59 TSCDRPDSFNGHYHFOAMRPTVEINNSTALLNITILGYELDYVCSSESNVYATLRVL 118

QY 121 AOGTGHLEMDRLNHSKVVALLGPDNTDHAHTTAALLSPFLMPLVSYEASSVILSK 180

DB 119 ALQOGPRHEIQDLNHSKVVAFIGPDNTDHAHTTAALLSPFLMPLVSYEASSVILSK 178

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DB 179 RKFPFLRTIPSDKYQVEVIVRLQSGFWWISLVGSYGDYQGLGVALEELATPRGICV 238

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DB 239 AFKDVVPLSAQAGDPRMQRMLRLARARTVVVVVFNHRLAGVFFRSVVLANLTGKWTIA 298

QY 301 SEDMAISTYITNVPQIGITGVLAIOQOVPELKEPEESYVQAVMGAPRTCPGSGWC 360

DB 299 SEDMAISTYITNVPQIGITGVLAIOQOVPELKEPEESYVQAVMGAPRTCPGSGWC 358

QY 361 TNLQCRECHAFPTWNNPELGAFSMAAYNVEAVAVAGHLQHLGCTSGTCARGPVYFW 420

DB 359 TNLQCRECHAFPTWNNPELGAFSMAAYNVEAVAVAGHLQHLGCTSGTCARGPVYFW 418

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DB 419 QLLQOIYKVNFLHKKTVAFDDKGPLGYDIIANDWNGPEWTFEIVGSASISPVHLDIN 478

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DB 479 KTKIOHGHKNNQVPVSVCTRDCLGHHRLVMSHHCCFECMPCCEAGTFLNTSELHTCQPC 538

QY 541 GTEEWAPEGSACFSRTVFLGWHEPISLVLLAANTLLLLIGTAGLFAWRLHTPVVRS 600

DB 539 GTEEWAPEGSACFSRTVFLGWHEPISLVLLAANTLLLLIGTAGLFAWRLHTPVVRS 598

QY 601 AGGRLCFLMLGSLVAGSCSYSPFGKPTVPACLLRQPLFSLGPAIFLCLTIRSFQVLI 660

DB 599 AGGRLCFLMLGSLVAGSCSYSPFGKPTVPACLLRQPLFSLGPAIFLCLTIRSFQVLI 658

QY 661 FKPFSTKVPFTYHTWAQNHGAGIFVIVSVTHLFLCLTTLWAMTPTREYQRPPLHVL 720

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QY 781 SSIYQGSYLPVAVNLVAGLATLSGGFSGYFLPKCYVILCRPELNTHEFQASIDYTRRCG 840

DB 779 SSIYQGSYLPVAVNLVAGLATLSGGFSGYFLPKCYVILCRPELNTHEFQASIDYTRRCG 838

GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on: May 4, 2006, 14:33:28 ; Search time 27.8064 Seconds
(without alignments)
2310.222 Million cell updates/sec

Title: US-09-361-652-3
Perfect score: 4138
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Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
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6: /cgn2_6/ptodata/1/iaa/backfiles1.pep.*

pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	1288	31.1	843	2	US-09-361-631-1
3	1267.5	30.6	839	2	US-09-897-427A-4
4	1258.5	30.4	843	2	US-09-361-631-2
5	1064	25.7	669	2	US-09-361-631-7
6	1053	25.4	852	2	US-09-897-427A-6
7	1038.5	25.1	1078	1	US-08-485-588-7
8	1038.5	25.1	1078	1	US-08-484-565-7
9	1038.5	25.1	1078	1	US-08-480-751-7
10	1038.5	25.1	1078	1	US-08-943-986-7
11	1038.5	25.1	1078	2	US-08-353-784-7
12	1038.5	25.1	1078	2	US-08-484-719B-7
13	1038.5	25.1	1078	2	US-08-484-159-7
14	1038	25.1	1059	2	US-09-134-513-2
15	1026.5	24.8	1088	1	US-08-485-588-6
16	1026.5	24.8	1088	1	US-08-484-565-6
17	1026.5	24.8	1088	1	US-08-480-751-6
18	1026.5	24.8	1088	1	US-08-943-986-6
19	1026.5	24.8	1088	2	US-08-353-784-6
20	1026.5	24.8	1088	2	US-08-484-719B-6
21	1026.5	24.8	1088	2	US-08-484-159-6
22	1025.5	24.8	1079	1	US-08-485-588-8
23	1025.5	24.8	1079	1	US-08-484-565-8
24	1025.5	24.8	1079	1	US-08-480-751-8
25	1025.5	24.8	1079	1	US-08-943-986-8
26	1025.5	24.8	1079	2	US-08-353-784-8
27	1025.5	24.8	1079	2	US-08-484-719B-8

28	1025.5	24.8	1079	2	US-08-484-159-8	Sequence 8, Appl1
29	1024.5	24.8	1085	1	US-08-485-588-5	Sequence 5, Appl1
30	1024.5	24.8	1085	1	US-08-484-565-5	Sequence 5, Appl1
31	1024.5	24.8	1085	1	US-08-480-751-5	Sequence 5, Appl1
32	1024.5	24.8	1085	1	US-08-943-986-5	Sequence 5, Appl1
33	1024.5	24.8	1085	2	US-08-353-784-5	Sequence 5, Appl1
34	1024.5	24.8	1085	2	US-08-484-719B-5	Sequence 5, Appl1
35	1024.5	24.8	1085	2	US-08-484-159-5	Sequence 5, Appl1
36	1022.5	24.3	1078	2	US-10-125-772-28	Sequence 28, Appl1
37	1005.5	24.3	941	2	US-10-125-772-8	Sequence 10, Appl1
38	1005.5	24.3	941	2	US-10-125-772-10	Sequence 2, Appl1
39	1004.5	24.3	1027	2	US-10-268-051-8	Sequence 8, Appl1
40	1004.5	24.3	1027	2	US-10-125-772-2	Sequence 2, Appl1
41	984.5	23.8	1219	1	US-08-687-289A-6	Sequence 6, Appl1
42	984.5	23.8	1219	1	US-09-435-897-6	Sequence 6, Appl1
43	981.5	23.7	850	2	US-10-125-772-12	Sequence 12, Appl1
44	981.5	23.7	850	2	US-09-619-353-8	Sequence 8, Appl1
45	953.5	23.0	856	2	US-09-619-353-8	Sequence 8, Appl1

ALIGNMENTS

RESULT 1
US-09-897-427A-2
; Sequence 2, Application US/09897472A
; Patent No. 6955887
; GENERAL INFORMATION:
; APPLICANT: ADLER, JON ELLIOT
; APPLICANT: LI, XIADONG
; APPLICANT: STAZEWSKI, LENA
; APPLICANT: XU, HONG
; APPLICANT: RHEVERRI, FERNANDO
; TITLE OF INVENTION: T1R HETERO-OLIGOMERIC TASTE RECEPTORS
; FILE REFERENCE: 078003-0282558
; CURRENT APPLICATION NUMBER: US/09/897,427A
; CURRENT FILING DATE: 2001-07-03
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 841
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-897-427A-2

Query Match	98.2%	Score	4064.5	DB 2	Length	841			
Best Local Similarity	98.5%	Pred. No.	0						
Matches	766	Conservative	5	Mismatches	6	Indels	1	Gaps	1
Qy	1	RSCSPNEHG	VH	LFOAMRLGV	EEINNSTALLPNITLGYQLYDV	CSDSANVYATLRLVLSLPG	60		
Db	64	RSCSPNEHG	VH	LFOAMRLGV	EEINNSTALLPNITLGYQLYDV	CSDSANVYATLRLVLSLPG	123		
Qy	61	QHHEIQGL	DL	LH	SPVTLAVIGP	DS	TNRAATTAALLSPFLV	-HISYAASSETLSVKRQYP	119
Db	124	QHHEIQGL	DL	LH	SPVTLAVIGP	DS	TNRAATTAALLSPFLVPMISYAASSETLSVKRQYP	183	
Qy	120	SFLRTIPND	KYQVETWVLL	LQKFGTWISLVGSSDDY	GQLGVQAL	ENQALVRGICIA	PKD	179	
Db	184	SFLRTIPND	KYQVETWVLL	LQKFGTWISLVGSSDDY	GQLGVQAL	ENQALVRGICIA	PKD	243	
Qy	180	IMPFSAQVQ	DERM	QCLMRHLAQAGATVVVVFSSRQLARVPFESV	VTNLTKGVWVASEAW	239			
Db	244	IMPFSAQVQ	DERM	QCLMRHLAQAGATVVVVFSSRQLARVPFESV	VTNLTKGVWVASEAW	303			
Qy	240	ALSRHITGV	PGIQRIQWGL	VGVAIOKRAVPGIKAPFEAYARADKEAPRCHKG	SWCSNQL	299			
Db	304	ALSRHITGV	PGIQRIQWGL	VGVAIOKRAVPGIKAPFEAYARADKEAPRCHKG	SWCSNQL	363			
Qy	300	CRBCQAPMA	HTMPKIKAF	PMSSAYNAYRAYVAHGLHQLGCASELCSRG	RVYPMQ	359			
Db	364	CRBCQAPMA	HTMPKIKAF	PMSSAYNAYRAYVAHGLHQLGCASELCSRG	RVYPMQ	423			

GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on: May 4, 2006, 14:52:34 ; Search time 93.2147 Seconds
(without alignments)
3482.855 Million cell updates/sec

Title: US-09-361-652-3

Perfect score: 4138

Sequence: 1 RSCSFNEHGTHLFOAMRLGV.....NSTEHFOASIQDYTRRCGST 777

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA_Main:*

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2: /cgn2_6/prodata/1/pubpaa/US08_PUBCOMB.pgp:*

3: /cgn2_6/prodata/1/pubpaa/US09_PUBCOMB.pgp:*

4: /cgn2_6/prodata/1/pubpaa/US10A_PUBCOMB.pgp:*

5: /cgn2_6/prodata/1/pubpaa/US10B_PUBCOMB.pgp:*

6: /cgn2_6/prodata/1/pubpaa/US11_PUBCOMB.pgp:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	4138	100.0	777	3	US-09-361-652-3
2	4138	100.0	777	3	US-09-361-652-3
3	4138	100.0	840	4	US-10-190-417-3
4	4138	100.0	840	5	US-10-679-102-3
5	4121	99.6	777	4	US-10-225-567A-676
6	4068.5	98.3	841	3	US-09-819-946-2
7	4068.5	98.3	841	5	US-10-885-493-2
8	4064.5	98.2	841	3	US-09-897-427A-2
9	4064.5	98.2	841	3	US-09-799-629-17
10	4064.5	98.2	841	4	US-10-035-045-17
11	4064.5	98.2	841	4	US-10-190-417-27
12	4064.5	98.2	841	4	US-10-179-373-5
13	4064.5	98.2	841	4	US-10-311-196-3
14	4064.5	98.2	841	4	US-10-725-081-17
15	4064.5	98.2	841	4	US-10-724-223-17
16	4064.5	98.2	841	4	US-10-725-103-5
17	4064.5	98.2	841	4	US-10-725-489-5
18	4064.5	98.2	841	4	US-10-725-080A-5
19	4064.5	98.2	841	4	US-10-724-222-17
20	4064.5	98.2	841	4	US-10-725-472A-5
21	4064.5	98.2	841	4	US-10-725-276-17
22	4064.5	98.2	841	4	US-10-770-127-197
23	4064.5	98.2	841	5	US-10-726-568-17
24	4064.5	98.2	841	5	US-10-725-284-17
25	4064.5	98.2	841	5	US-10-725-418-5
26	4064.5	98.2	841	5	US-10-679-102-27
27	4063.5	98.2	841	4	US-10-188-186-2

28 4035.5 97.5 929 4 US-10-292-798-868 Sequence 868, App
29 3981.5 96.2 763 3 US-09-819-946-4 Sequence 4, Appli
30 3981.5 96.2 763 5 US-10-885-493-4 Sequence 4, Appli
31 3822 92.4 840 4 US-10-246-785-1 Sequence 1, Appli
32 3154.5 76.2 840 3 US-09-361-652-1 Sequence 1, Appli
33 3154.5 76.2 840 3 US-09-927-315-1 Sequence 1, Appli
34 3154.5 76.2 840 4 US-10-246-785-3 Sequence 3, Appli
35 3154.5 76.2 840 4 US-10-190-417-1 Sequence 1, Appli
36 3154.5 76.2 840 4 US-10-159-339-12 Sequence 12, Appl
37 3154.5 76.2 840 4 US-10-179-373-16 Sequence 16, Appl
38 3154.5 76.2 840 4 US-10-436-715-39 Sequence 39, Appl
39 3154.5 76.2 840 4 US-10-436-715-69 Sequence 69, Appl
40 3154.5 76.2 840 4 US-10-725-103-16 Sequence 16, Appl
41 3154.5 76.2 840 4 US-10-725-089A-16 Sequence 16, Appl
42 3154.5 76.2 840 4 US-10-725-472A-16 Sequence 16, Appl
43 3154.5 76.2 840 4 US-10-725-418-16 Sequence 16, Appl
44 3154.5 76.2 840 5 US-10-679-102-1 Sequence 1, Appli
45 3154.5 76.2 840 5 US-10-679-102-1 Sequence 1, Appli

ALIGNMENTS

RESULT 1

US-09-361-652-3
; Sequence 3, Application US/09361652
; Publication No. US2003036630A1
; GENERAL INFORMATION:
; APPLICANT: Zuker, Charles S.
; APPLICANT: Adler, Jon Elliot
; APPLICANT: Lindemeier, Juergen
; APPLICANT: Ryba, Nick
; APPLICANT: Hoon, Mark
; APPLICANT: The Regents of the University of California
; TITLE OF INVENTION: Nucleic Acids Encoding a G-Protein Coupled Receptor
; TITLE OF INVENTION: Involved in Sensory Transduction
; FILE REFERENCE: 023078-088610US
; CURRENT APPLICATION NUMBER: US/09/361,652
; CURRENT FILING DATE: 1999-07-27
; EARLIER APPLICATION NUMBER: US 60/094,465
; EARLIER FILING DATE: 1998-07-28
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 3
; LENGTH: 777
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: human G-protein coupled receptor B3 (GPCR-B3)
US-09-361-652-3

Query Match 100.0%; Score 4138; DB 3; Length 777;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 777; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RSCSFNEHGTHLFOAMRLGVVEINNSTALLPNTITLGYQLYDVCDSDSANVYATLRLVSLPG 60
DB 1 RSCSFNEHGTHLFOAMRLGVVEINNSTALLPNTITLGYQLYDVCDSDSANVYATLRLVSLPG 60
QY 61 QHHIELQGDLLHYSPVTPLAVIGPDSTNRAATTAAALLSPFLVHISYAASSTLSVKROYPS 120
DB 61 QHHIELQGDLLHYSPVTPLAVIGPDSTNRAATTAAALLSPFLVHISYAASSTLSVKROYPS 120
QY 121 FLRTIPNDKYQVETVLLKQPGMTWISLVGSSDDYQQLGVQALEQNALVRGICIAFKDI 180
DB 121 FLRTIPNDKYQVETVLLKQPGMTWISLVGSSDDYQQLGVQALEQNALVRGICIAFKDI 180
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Db 241 LSRHITGPGIORIGMVLGVAIQKRAVPGKAPFEAYARADKEAPRCHKGSCSSNQLC 300
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Db 361 IHKVFHLLHKDVAFNDRDPLSSYNI IAWDNGPKWTFTVLGSSSTWSPVQLNINETKI 420
Qy 421 WHGKHOVPKSCSSDCLGEGHQRVVTGFHCCFECVPCGAGTFLNKSELYRCOPCGTEBW 480
Db 421 WHGKHOVPKSCSSDCLGEGHQRVVTGFHCCFECVPCGAGTFLNKSELYRCOPCGTEBW 480
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Db 541 CFLMGLSGLAAGSSLYGFGFEPTRPACLLRQALFALGFTIFLSCLTVRSFQLIIIFKPT 600
Qy 601 KVPTFYHAWQNHGAGLFVMISSAAQLLICTLWLVVMTPLPAREYQRPFLHVMLECTETN 660
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RESULT 2

US-09-927-315-3
; Sequence 3, Application US/09927315
; Publication No. US20030040045A1
; GENERAL INFORMATION:
; APPLICANT: Zuker, Charles S.
; APPLICANT: Ryba, Nicholas J. P.
; APPLICANT: Nelson, Greg
; APPLICANT: Hoon, Mark A.
; APPLICANT: Chandrasekar, Jayaram
; APPLICANT: Zhang, Yifeng
; APPLICANT: The Regents of the University of California
; APPLICANT: The Government of the United States of America
; APPLICANT: as represented by the Secretary of the
; APPLICANT: Department of Health and Human Services
; TITLE OF INVENTION: Mammalian Sweet Taste Receptors
; FILE REFERENCE: 02307E-120110US
; CURRENT APPLICATION NUMBER: US/09/927,315
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: US 60/302,898
; PRIOR FILING DATE: 2001-07-03
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 777
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: human T1R1 sweet taste receptor
US-09-927-315-3

Query Match 100.0%; Score 4138; DB 3; Length 777;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 777; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 1 RSCSFNEHGYHLFQAMELGVEEINNSTALLPNTITLGYLDVCSDSANVYATLRVLSLPG 60

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Db 121 FLRTIPNDKYQVETWVLLLOKFGFTWISLVGSSDDYGOQLGVOALENOALVRGICIAFKDI 180
Qy 181 MPFSAQVGDGRMOCRLMRHLAQAGATVVVVFSSRQLARVPFSSVLTNLTGKVVASEAWA 240
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Qy 241 LSRHITGPGIORIGMVLGVAIQKRAVPGKAPFEAYARADKEAPRCHKGSCSSNQLC 300
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Db 541 CFLMGLSGLAAGSSLYGFGFEPTRPACLLRQALFALGFTIFLSCLTVRSFQLIIIFKPT 600
Qy 601 KVPTFYHAWQNHGAGLFVMISSAAQLLICTLWLVVMTPLPAREYQRPFLHVMLECTETN 660
Db 601 KVPTFYHAWQNHGAGLFVMISSAAQLLICTLWLVVMTPLPAREYQRPFLHVMLECTETN 660
Qy 661 SLGFIAPLYNGLLSISAFACSYLGKDLPENYNEAKCVTFSLFNFVSWIAFTTASVYD 720
Db 661 SLGFIAPLYNGLLSISAFACSYLGKDLPENYNEAKCVTFSLFNFVSWIAFTTASVYD 720
Qy 721 GKYLPAANMMAGLSLSSGFGGYFLPKCVYILCRPDLNSTEHFQASIQDYTRRCGST 777
Db 721 GKYLPAANMMAGLSLSSGFGGYFLPKCVYILCRPDLNSTEHFQASIQDYTRRCGST 777

RESULT 3

US-10-190-417-3
; Sequence 3, Application US/10190417
; Publication No. US20030166137A1
; GENERAL INFORMATION:
; APPLICANT: Zuker, Charles S.
; APPLICANT: Ryba, Nicholas J. P.
; APPLICANT: Chandrasekar, Jayaram
; APPLICANT: Hoon, Mark A.
; APPLICANT: Nelson, Greg
; APPLICANT: Zhang, Yifeng
; APPLICANT: The Regents of the University of California
; APPLICANT: The Government of the United States of America
; APPLICANT: as represented by the Secretary of the
; APPLICANT: Department of Health and Human Services
; TITLE OF INVENTION: Mammalian Sweet and Amino Acid Heterodimeric Taste
; FILE REFERENCE: 02307E-120130US
; CURRENT APPLICATION NUMBER: US/10/190,417
; CURRENT FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: US 60/302,898
; PRIOR FILING DATE: 2001-07-03
; PRIOR APPLICATION NUMBER: US 09/927,315

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OM protein - protein search, using sw model

Run on: May 4, 2006, 14:54:39 ; Search time 14.8512 Seconds
(without alignments)
2421.578 Million cell updates/sec

Title: US-09-361-652-3
Perfect score: 4138
Sequence: 1 RSCSFNEGHVHLPQARMLGV.....NSTHFQASIQDYTRRCGST 777

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 235405 seqs, 46284737 residues

Total number of hits satisfying chosen parameters: 235405

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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2: /SIDSS/ptodata/2/pubpaa/US06 NEW PUB.pep.*
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12: /SIDSS/ptodata/2/pubpaa/US60 NEW PUB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	ID	Description
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2	4064.5	98.2	841	9	US-10-725-475-5 Sequence 5, Appli
3	4064.5	98.2	841	11	US-11-050-804-2 Sequence 2, Appli
4	3154.5	76.2	840	9	US-10-645-441-1 Sequence 1, Appli
5	3154.5	76.2	840	9	US-10-725-475-16 Sequence 16, Appli
6	3104.5	75.0	842	9	US-10-645-441-2 Sequence 2, Appli
7	1288	31.1	843	9	US-10-645-441-7 Sequence 7, Appli
8	1288	31.1	843	9	US-10-725-475-17 Sequence 17, Appli
9	1270	30.7	838	9	US-10-645-441-9 Sequence 9, Appli
10	1267.5	30.6	839	9	US-10-725-475-6 Sequence 6, Appli
11	1267.5	30.6	839	11	US-11-050-804-4 Sequence 4, Appli
12	1258.5	30.4	843	9	US-10-645-441-8 Sequence 8, Appli
13	1075.5	26.0	858	9	US-10-645-441-25 Sequence 25, Appli
14	1075.5	26.0	858	9	US-10-725-475-4 Sequence 4, Appli
15	1060.5	25.6	858	9	US-10-645-441-23 Sequence 23, Appli
16	1059.5	25.6	858	9	US-10-645-441-18 Sequence 18, Appli
17	1056	25.5	852	9	US-10-725-475-7 Sequence 7, Appli
18	1053	25.4	852	9	US-10-645-441-15 Sequence 15, Appli
19	1053	25.4	852	11	US-11-050-804-6 Sequence 6, Appli
20	1047.5	25.3	858	9	US-10-645-441-20 Sequence 20, Appli
21	1029.5	24.9	867	9	US-10-725-475-19 Sequence 19, Appli

22	1000.5	24.2	928	9	US-10-841-129-4	Sequence 4, Appli
23	981.5	23.7	928	9	US-10-841-129-6	Sequence 6, Appli
24	932.5	22.5	926	9	US-10-841-129-2	Sequence 2, Appli
25	676.5	16.3	1199	9	US-10-922-166-15	Sequence 15, Appli
26	672.5	16.3	845	9	US-10-725-475-18	Sequence 18, Appli
27	656.5	15.9	879	9	US-10-877-346-52	Sequence 52, Appli
28	655.5	15.8	879	9	US-10-877-346-53	Sequence 53, Appli
29	655.5	15.8	879	9	US-10-877-346-54	Sequence 54, Appli
30	654.5	15.8	879	9	US-10-877-346-17	Sequence 17, Appli
31	643.5	15.6	865	11	US-11-094-519A-41	Sequence 41, Appli
32	479.5	11.6	242	9	US-10-725-475-13	Sequence 13, Appli
33	440.5	10.6	497	9	US-10-918-857-8	Sequence 8, Appli
34	440.5	10.6	576	9	US-10-922-166-2	Sequence 2, Appli
35	440.5	10.6	790	9	US-10-918-857-6	Sequence 6, Appli
36	440.5	10.6	790	9	US-10-922-166-20	Sequence 20, Appli
37	403	9.7	425	9	US-10-918-857-4	Sequence 4, Appli
38	403	9.7	718	9	US-10-918-857-2	Sequence 2, Appli
39	383.5	9.3	256	9	US-10-877-346-85	Sequence 85, Appli
40	354	8.6	236	9	US-10-725-475-15	Sequence 15, Appli
41	337	8.1	165	9	US-10-725-475-14	Sequence 14, Appli
42	307.5	7.4	137	9	US-10-725-475-12	Sequence 12, Appli
43	259	6.3	402	9	US-10-877-346-84	Sequence 84, Appli
44	181	4.4	844	11	US-11-127-877-40	Sequence 40, Appli
45	138	3.3	885	9	US-10-912-971-2	Sequence 2, Appli

ALIGNMENTS

RESULT 1
US-10-645-441-3
; Sequence 3, Application US/10645441
; Publication No. US20050260599A1
; GENERAL INFORMATION:
; APPLICANT: Zuker, Charles S.
; APPLICANT: Ryba, Nicholas J.P.
; APPLICANT: Nelson, Greg
; APPLICANT: Hoon, Mark A.
; APPLICANT: Chandrasekar, Jayaram
; APPLICANT: Zhang, Yifeng
; APPLICANT: The Regents of the University of California
; APPLICANT: The Government of the United States of America
; APPLICANT: as represented by the Secretary of the
; APPLICANT: Department of Health and Human Services
; TITLE OF INVENTION: Mammalian Sweet Taste Receptors
; FILE REFERENCE: 023078-120110US
; CURRENT APPLICATION NUMBER: US/10/645,441
; CURRENT FILING DATE: 2003-08-20
; PRIOR APPLICATION NUMBER: US/09/927,315
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: US 60/302,898
; PRIOR FILING DATE: 2001-07-03
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 3
; LENGTH: 777
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: human T1R1 sweet taste receptor
US-10-645-441-3

Query Match	100.0%;	Score 4138;	DB 9;	Length 777;
Best Local Similarity	100.0%;	Pred. No. 0;		
Matches	777;	Conservative	0;	Mismatches
			0;	Indels
			0;	Gaps
			0;	
Qy	1	RSCSFNEGHVHLPQARMLGVVEINNSTALLPNTITLGYQVLDVCSDSANVTATLRLVSLPG	60	
Db	1	RSCSFNEGHVHLPQARMLGVVEINNSTALLPNTITLGYQVLDVCSDSANVTATLRLVSLPG	60	
Qy	61	QHIEIQGLDILHYSPPTVLAVIGPDSNTNRAATTAALLSPFLVHISYAASSTLTSVKQYPS	120	
Db	61	QHIEIQGLDILHYSPPTVLAVIGPDSNTNRAATTAALLSPFLVHISYAASSTLTSVKQYPS	120	

